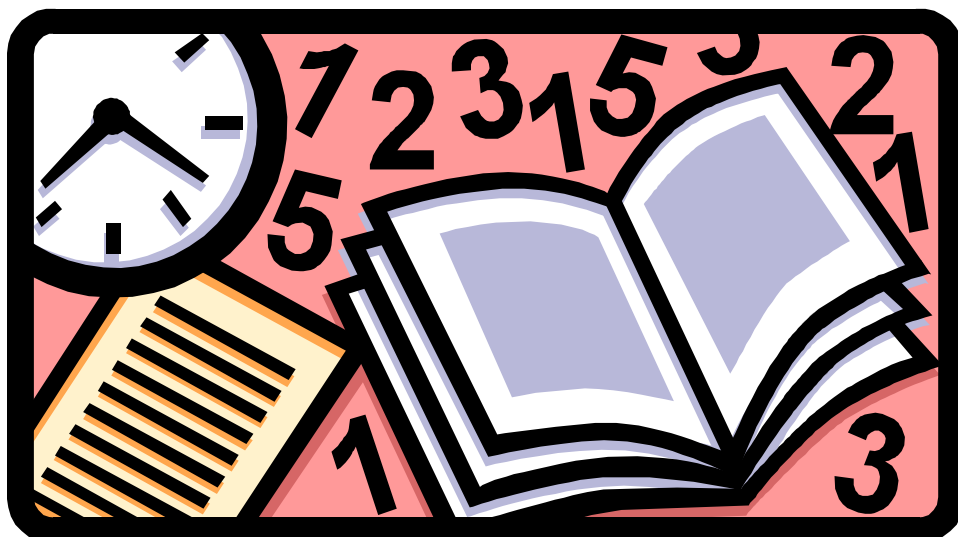


First Language is Not English (FLNE) and
Limited English Proficiency (LEP) Students in
Massachusetts Public Schools
2002-2003 School Year



Office of Multicultural Health
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First Language Not English (FLNE) and Limited English Proficiency (LEP) Students in Massachusetts Public Schools 2002-2003 School Year

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2002-2003 FLNE and LEP Students in Massachusetts Public Schools

Introduction

The mission of the Massachusetts Department of Public Health's Office of Multicultural Health (OMH) is to promote the health and well being of refugees, immigrants, and racial and ethnic minorities. Among its many functions is the collection and dissemination of information and data on racial, cultural and linguistic minorities in order to promote access to health services. One way the Office carries out this function is by analyzing two types of school enrollment data from the Massachusetts Department of Education (MDOE): the FLNE data (First Language Not English) and the LEP data (Limited English Proficiency).

The FLNE data provides information on public school students for whom English is not the first language, and the LEP data provides information on a subset of these FLNE children who have been identified as unable to perform ordinary class work in English. Adults, whose children are identified as LEP, are likely to have limited ability to communicate in English as well.

Annually, OMH reviews these data to identify cities and towns in the Commonwealth that have 10% or more FLNE students out of the total student body. The data are then reported to identify the number of students who may speak a language other than English at home and the percentage they represent out of the total student body. Information is further broken down and presented for the 10 most commonly spoken foreign languages in Massachusetts public schools.

As with last year's report: data on LEP students; trend analyses; and statistics for charter schools, academic regional schools, vocational-technical schools and county agricultural schools are included. New for this year are tables that review the geographical distribution of students for each of the top ten languages. In addition, OMH created a table of cities and towns that have not met the threshold for inclusion in this report but have significant proportions of FLNE students as part of their population. The final new feature for the 2002 report is a series of tables that show the top five towns for each of the ten most commonly spoken languages.

The 2002 FLNE report contains information on those cities and towns that have 10 percent or more of the student body whose first language is not English. This represents a change from previous years when the cutoff was 9 percent. With the new threshold, three towns included in the 2001 report were excluded from the 2002 version. These are Hudson, Revere and Taunton, which had respective percentages of FLNE students on 9.7, 8.5 and 7.0. Data for Hopkinton was excluded for a second year because the reported figures showed 100 percent of the system's students as FLNE.

Table 1: 2002-2003 FLNE and LEP Statewide Summary

Table 1 compares data from school years 2001-2002 and 2002-2003. Although a slight decrease occurred in the total numbers of FLNE students, slight increases occurred in the total LEP population.

2001		2002	
Total students statewide:	974,015	Total students statewide:	983,313
Total FLNE students statewide:	128,218	Total FLNE students statewide:	138,504¹
Total LEP students statewide:	46,254	Total LEP students statewide:	51,622
% FLNE of total students:	13.2%	% FLNE of total students:	14.1%
% LEP of FLNE:	36.1%	% LEP of FLNE:	37.3%

Highlights of the 2002 FLNE and LEP Statistics

- Forty-two (42) of 351 cities and towns in Massachusetts reported 10 percent or more of FLNE students. Thirty of these (33) have had a steady increase in the number of FLNE students over the last 10 years.
- One hundred thirty two (132) different languages and dialects are spoken in households with children attending public schools throughout the Commonwealth of Massachusetts.
- About one in seven (14.1%) of students in Massachusetts public schools speaks a first language other than English.
- Spanish and Portuguese were the most commonly spoken foreign languages in Massachusetts schools over the last 10 years.
- Almost one in two (49.2%) of FLNE students come from homes where Spanish is the first language, and of these 40.1% are LEP. Spanish language FLNE students comprise 6.9% of the total student body in Massachusetts public schools.
- Fourteen percent (14.3%) of FLNE students in Massachusetts public schools come from households that speak a rarely encountered foreign language.
- With the exception of Watertown where Armenian is the most commonly spoken language in the public schools, the largest student language group in the cities and towns featured in this report is one of the top 10 languages. **Spanish:** Amherst, Attleboro, Boston, Cambridge, Chelsea, Chicopee, Clinton, Everett, Fitchburg, Framingham, Haverhill, Holyoke, Lawrence, Leominster, Lynn, Methuen, New Bedford, Salem, Somerville, Southbridge, Springfield, Waltham, and Worcester; **Portuguese:** Fall River, Marlborough, Medford, Milford, and Peabody; **Chinese:** Acton, Belmont, Lexington, Malden, Newton, and Quincy; **Khmer:**

¹ The Actual number reported by DOE is 141,408. 2,904 students were subtracted to account for an apparent error in the Hopkinton data.

Lowell; **Haitian Creole:** Randolph; **Cape Verdean:** Brockton; **Russian:** Brookline, Westfield, and West Springfield; **Arabic:** Norwood.

- FLNE students account for more than half of the students in Lawrence (81.2%), Chelsea (76.4%), and Holyoke (55.7%).
- FLNE students account for a third or more of the students in Somerville (48.9%), Lowell (44.9%), Boston (42.8%), Lynn (40.9%), Worcester (35.5%), Everett (35.3%), and Cambridge (33.5%).
- FLNE students account for a 25 percent or more of the students in Fitchburg (32.3%), Waltham (32.2%), Framingham (31.8%), Randolph (31.6%), Malden (30.2%), Fall River (29.7%), Southbridge (29.3%), Brookline (29.1%), Brockton (26.0%), and Watertown (25.6%).
- Fifty percent or more of FLNE students were limited English proficient in the following cities and towns: Medford (80.8%), Quincy (72.3%), Marlborough (66.2%), Springfield (64.0%), Amherst (61.7%), Framingham (57.1%), Boston (56.7%), Fitchburg (51.7%), and Leominster (51.1%).
- In Charter schools, FLNE students accounted for 12.4% of the total student body; 8.7 percent of these were LEP. Spanish (67.2%) and Haitian Creole (8.8%) were the most commonly spoken foreign languages.
- In Academic Regional Schools, FLNE students accounted for 1.5% of total student body and 26.8% of these were LEP. Spanish (22.5%), Portuguese (18.5%), and Chinese (12.0%) were the most commonly spoken foreign languages.
- In Vocational-Technical Regional Schools, FLNE students accounted for 12.4% of the total student body and 14.5% of these were LEP. Spanish (64.7%) and Portuguese (28.3%) were the most commonly spoken foreign languages.
- In county Agricultural Schools, FLNE students accounted for 1.2% of total student body. Spanish was the most frequently spoken foreign language (66.7%). No LEP students attended these schools in 2001.

Notes on Methodology

Each year, the MDOE collects enrollment information on public school students through each school district/superintendent. Prior to October 1, 2001, all enrollment data were collected using aggregate reporting tools in a largely paper-based system. Beginning in the 2001-2002 school year, enrollment data is collected at the student level via the web in a new system referred to as *The Student Information Management System (SIMS)*. MDOE notes that, although the majority of the data is comparable to prior years, there are some instances where the data varies from prior

years' information.² One advantage of the new SIMS system is that each student is given a unique identifier that follows him or her throughout the school career – thus allowing easier transformation of information from district to district and reducing the occurrence of duplicates. In early September, during the registration period, parents fill out a first or native language form where demographic information is requested. DOE in turn collects the data from schools on a quarterly basis through SIMS.

The DOE convention is to refer to academic years by using both calendar years (ex. 2002-2003), and, where only one year is indicated, present the ending year (ex. 2002-2003 is written as 2003). In this report, please note that a single year is represented by using the first part of the calendar year (ex. 2002-2003 is written as 2002).

In each instance where the Chinese language is referenced in this report, it includes Mandarin, Cantonese, Taiwanese and Fukienese. Similarly, in the 2002 figures, Cape Verdean includes responses of either Cape Verdean or Crioulo.

Due to a suspected data reporting error, 2002 FLNE data has been adjusted to exclude Cape Verdean speaking students in Hopkinton, which showed 2904 of 2925 total students in the school system as speaking Cape Verdean. The totals for other languages were not reduced.

² <http://www.doe.mass.edu/infoservices/reports/enroll/>

**Table 2: Commonly Spoken Foreign Languages in Massachusetts Public Schools
2002-2003**

Table 2 lists the 10 most commonly spoken foreign languages in Massachusetts public schools and compares the 2000 and the 2001 school data. The data includes the total number and percentage of FLNE students by language by year and the total number and percentage of LEP students by language by year. It is important to note that the category “other” is the second largest group after Spanish and includes multiple languages. This total has increased by more than 18% since 2001.

	2001				2002			
LANGUAGE	# FLNE	% FLNE	# LEP	% LEP	# FLNE	% FLNE	# LEP	% LEP
Spanish	63,166	49.3%	25,205	39.9%	68,181	48.2%	27,348	40.1%
Portuguese	13,013	10.2%	5,192	39.9%	13,863	9.8%	5,714	41.2%
Chinese	7,560	5.9%	2,493	33.0%	8,222	5.8%	3,035	36.9%
Khmer	4,023	3.1%	1,175	29.2%	6,134	4.3%	1,288	21.0%
Haitian Creole	4,091	3.2%	1,161	28.4%	5,994	4.2%	2,517	42.0%
Vietnamese	5,546	4.3%	1,837	33.1%	5,805	4.1%	2,209	38.1%
Cape Verdean	7,864	6.1%	1,776	22.6%	4,245	3.1%	1,778	41.9%
Russian	3,576	2.8%	1,080	30.2%	3,604	2.6%	1,064	29.5%
Arabic	1,499	1.2%	450	30.5%	1,615	1.1%	567	35.1%
Korean	1,148	0.9%	433	37.7%	1,251	0.9%	472	37.7%
Other Languages	16,553	12.9%	5,407	32.7%	19,590	14.1%	5,630	28.7%
Total	128,039	13.2%	46,254	36.1%	138,504	14.1%	51,622	37.3%

Table 3: 2002 FLNE and LEP Student Enrollment Selected Massachusetts Cities and Towns**Acton to Brookline**

Table 3 lists public schools in Massachusetts where FLNE student enrollment was ten percent or above in the 2002-2003 school year, and includes: the total school enrollment in the district, the 10 commonly spoken foreign languages, total FLNE, total LEP, percent FLNE out of total, and percent LEP out of the total FLNE.

	Acton		Amherst		Attleboro		Belmont		Boston		Brockton		Brookline	
Total enrollment	2,547		1,524		6,728		3,601		61,552		16,700		6,044	
FLNE/LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	25	3	107	60	345	119	41	6	12,446	8,212	941	227	183	32
Portuguese	44	17	9	5	92	3	8	1	591	444	289	117	46	15
Chinese	185	13	35	25	12	3	79	11	2,226	1,238	111	13	306	76
Khmer	0	0	29	24	205	70	0	0	103	38	32	2	3	0
Haitian Creole	0	0	0	0	1	0	2	1	2,331	1,440	693	190	24	4
Vietnamese	3	0	4	3	23	3	3	0	1,772	1,017	53	8	9	2
Cape Verdean	0	0	0	0	2	0	0	0	1,661	1,013	1,901	622	1	0
Russian	36	3	8	2	2	0	43	6	52	28	6	2	380	74
Arabic	3	0	4	3	13	3	14	0	135	78	6	0	6	1
Korean	33	10	24	17	10	0	55	23	11	8	5	0	165	85
Other Languages	191	11	41	22	126	6	171	29	4,996	1,448	302	26	635	234
Total Students	520	57	261	161	831	207	416	77	26,324	14,964	4,339	1,207	1,758	523
Percent Students	20.4	11.0	17.1	61.7	12.4	24.9	11.6	18.5	42.8	56.9	26.0	27.8	29.1	29.8

Table 3: 2002 FLNE and LEP Student Enrollment Selected Massachusetts Cities and Towns
Cambridge to Fitchburg

	Cambridge		Chelsea		Chicopee		Clinton		Everett		Fall River		Fitchburg	
Total enrollment	6,775		5,777		7,702		1,984		5,371		12,132		5,977	
FLNE/LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	639	157	3,706	740	683	261	279	52	670	176	755	151	1,289	721
Portuguese	232	81	123	41	22	2	54	19	542	217	2,227	472	23	12
Chinese	131	48	28	1	22	14	1	0	21	2	39	14	9	6
Khmer	0	0	77	0	4	1	0	0	8	0	453	4	24	6
Haitian Creole	540	184	43	4	0	0	1	0	233	67	21	2	5	2
Vietnamese	6	0	143	20	5	1	0	0	208	51	12	1	61	24
Cape Verdean	31	7	16	1	24	0	0	0	2	0	5	0	0	0
Russian	17	3	0	0	175	115	2	0	3	2	1	0	3	1
Arabic	39	10	21	5	0	0	1	0	43	13	33	10	4	0
Korean	86	39	2	0	0	0	1	0	2	0	0	0	0	2
Other Languages	547	144	253	75	182	100	21	0	163	30	54	10	510	224
Total Students	2,268	673	4,412	891	1,117	494	360	71	1,895	558	3,600	664	1932	998
Percent Students	33.5	29.7	76.4	20.2	14.5	44.2	18.2	19.7	35.3	29.5	29.7	18.4	32.3	51.7

**Table 3: 2002 FLNE and LEP Student Enrollment Selected Massachusetts Cities and Towns
Framingham to Lowell**

	Framingham		Haverhill		Holyoke		Lawrence		Leominster		Lexington		Lowell	
Total enrollment	8,634		8,308		7,255		12,587		6,146		6,051		15,479	
FLNE/LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	1,155	685	741	237	4,005	1,447	9,704	3,213	698	390	46	13	2,306	747
Portuguese	990	701	16	5	1	1	51	20	103	58	12	4	621	375
Chinese	116	35	13	2	4	2	18	3	13	3	308	32	26	12
Khmer	5	0	14	6	5	0	223	43	6	0	7	1	3,091	779
Haitian Creole	22	12	2	0	0	0	0	0	4	1	3	0	7	2
Vietnamese	18	9	26	6	2	0	127	45	27	12	2	1	183	49
Cape Verdean	0	0	0	0	0	0	2	0	0	0	2	0	6	3
Russian	57	11	8	1	1	0	0	0	1	1	50	6	7	1
Arabic	24	10	14	0	2	1	18	5	2	1	12	4	21	12
Korean	18	4	4	0	0	0	3	2	12	2	142	52	6	2
Other Languages	253	52	88	9	22	0	78	27	132	42	337	85	673	226
Total Students	2,659	1,519	926	266	4,042	1,451	10,224	3,358	998	510	908	198	6,947	2,208
Percent Students	31.8	57.1	11.2	28.7	55.7	35.9	81.2	32.8	16.2	51.1	15.0	21.8	44.9	31.8

Table 3: 2002 FLNE and LEP Student Enrollment Selected Massachusetts Cities and Towns
Lynn to New Bedford

	Lynn		Malden		Marlborough		Medford		Methuen		Milford		New Bedford	
Total enrollment	15,114		5,945		4,729		4,722		7,095		4,100		14,580	
FLNE/LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	3,795	1,174	277	100	315	212	94	78	837	304	135	22	1,509	343
Portuguese	155	89	221	104	432	314	192	163	23	7	313	123	863	104
Chinese	27	8	514	184	15	3	75	64	15	2	9	1	21	10
Khmer	1,284	201	8	1	1	0	0	0	18	1	0	0	0	0
Haitian Creole	6	3	243	87	3	1	187	157	6	0	0	0	25	6
Vietnamese	191	57	253	48	11	5	55	43	45	10	4	1	33	1
Cape Verdean	5	1	8	0	1	0	6	4	0	0	0	0	254	41
Russian	76	23	29	8	7	4	5	3	5	2	5	1	2	1
Arabic	58	28	55	22	2	1	32	30	57	13	11	2	10	6
Korean	1	1	13	5	5	0	1	1	21	3	5	0	1	0
Other Languages	583	205	176	54	56	22	202	143	88	25	47	12	84	14
Total Students	6,081	1,790	1,797	613	848	562	849	686	1,115	367	529	162	2,802	530
Percent Students	40.9	29.0	30.2	34.1	17.9	66.3	18.0	80.8	15.7	32.9	12.9	30.6	19.2	18.9

Table 3: 2002 FLNE and LEP Student Enrollment Selected Massachusetts Cities and Towns
Newton to Somerville

	Newton		Norwood		Peabody		Quincy		Randolph		Salem		Somerville	
Total enrollment	11,360		3,741		6,642		8,846		3,991		5,000		5,757	
FLNE/LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	218	66	44	19	309	61	61	43	166	34	943	449	957	359
Portuguese	32	20	48	28	337	73	54	43	42	10	43	26	859	368
Chinese	578	142	21	7	19	3	862	632	173	37	15	5	93	34
Khmer	5	2	0	0	0	0	0	2	4	1	0	0	0	0
Haitian Creole	9	5	8	1	2	0	3	2	401	77	8	2	471	158
Vietnamese	23	8	6	4	23	3	196	147	170	54	26	14	41	9
Cape Verdean	0	0	0	0	0	0	0	0	63	17	1	0	29	3
Russian	400	95	34	19	14	2	4	3	4	0	20	9	7	3
Arabic	5	0	111	65	21	2	64	46	20	5	6	1	17	3
Korean	77	43	21	13	8	1	1	1	1	0	0	0	8	6
Other Languages	576	164	228	83	198	36	235	162	215	42	105	40	332	96
Total Students	1,923	545	521	239	931	181	1,483	1,081	1,259	277	1,167	546	2,814	1,039
Percent Students	16.9	28.3	13.9	45.9	14.0	19.4	16.8	72.9	31.6	22.0	23.3	46.8	48.9	36.9

Table 3: 2002 FLNE and LEP Student Enrollment Selected Massachusetts Cities and Towns
Southbridge to Worcester

	Southbridge		Springfield		Waltham		Watertown		Westfield		West Springfield		Worcester	
Total enrollment	2,629		26,594		4,825		2,422		6,724		3,990		25,712	
FLNE/LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	717	122	3,827	2,596	816	187	84	23	135	41	153	34	5,750	2,002
Portuguese	2	0	2	1	43	15	46	14	0	0	0	0	429	275
Chinese	3	0	30	4	69	5	37	5	4	1	20	5	154	44
Khmer	0	0	8	1	2	0	0	0	0	0	0	0	30	17
Haitian Creole	0	0	1	0	232	36	2	0	0	0	0	0	44	8
Vietnamese	0	0	149	41	45	2	14	2	2	0	30	3	1,344	436
Cape Verdean	0	0	1	1	0	0	0	0	0	0	0	0	9	1
Russian	2	0	76	28	28	5	37	10	322	180	409	193	57	12
Arabic	2	0	20	2	14	1	57	6	1	0	10	0	102	33
Korean	0	0	4	3	11	4	9	2	7	5	1	0	10	1
Other Languages	43	1	105	24	295	29	333	65	251	121	105	53	1,197	544
Total Students	769	123	4,223	2,701	1,555	284	619	127	722	348	728	288	9,126	3,373
Percent Students	29.3	16.0	15.9	64.0	32.2	18.3	25.6	20.5	10.7	48.2	18.25	39.6	35.5	37.0

Table 4: Cities and Towns to Watch

The following table lists the cities and towns for which the percentage of FLNE students is between 5.0 and 9.9 percent. The majority of cities/towns shows modest increases in the percentage of FLNE students over the previous year, and may be early indicators of pending demographic shifts.

City/Town	# FLNE	% FLNE	# LEP	% LEP of FLNE	% Change FLNE from Previous Year
Andover	436	7.37	21	4.82	-0.2
Arlington	376	8.39	239	63.56	+2.5
Ashland	137	5.37	11	8.03	N/A
Avon	47	6.44	0	0.00	+0.9
Barnstable	380	6.10	268	70.53	+0.8
Bedford	124	5.59	38	30.65	+1.0
Braintree	283	5.73	51	18.02	0.0
Dedham	243	8.15	93	38.27	+1.4
Edgartown	24	6.70	20	83.33	+0.4
Greenfield	152	6.77	86	56.58	+0.3
Holbrook	75	5.22	12	16.00	+1.3
Hudson	268	9.68	97	36.19	0.0
Lee	58	6.45	27	46.55	+0.3
Ludlow	249	8.20	38	15.26	+0.4
Milton	183	5.09	10	5.46	-0.5
Natick	279	6.13	61	21.86	+0.1
North Andover	306	7.08	44	14.38	+0.3
Northampton	226	7.74	104	46.02	+6.5
Oak Bluffs	36	8.13	30	83.33	0.0
Plainville	46	5.67	0	0.00	+1.1
Provincetown	24	8.25	5	20.83	-0.5

Revere	417	7.02	381	91.37	-1.0
Sharon	320	9.03	44	13.75	+0.7
Shrewsbury	466	8.76	65	13.95	+0.5
Stoughton	351	8.52	68	19.37	-0.2
Sunderland	21	7.55	3	14.29	+0.4
Swampscott	145	6.15	11	7.59	-0.8
Taunton	712	8.48	258	36.24	-0.5
Tisbury	30	9.38	19	63.33	+8.8
Webster	140	7.53	27	19.29	-0.2
Woburn	341	7.28	83	24.34	+2.0

Table 5: Table FLNE and LEP Trends 1993-2002 Selected Massachusetts Cities and Towns**Acton to Haverhill**

Table 5 presents FLNE and LEP numbers by town for the time period of 1993-2002. Of the 42 communities included in this year's report, 30 have shown a steady increase in the number of FLNE students over the decade.

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Acton	98	28	150	25	157	10	193	42	241	17	254	48	322	73	376	93	463	83	520	57
Amherst	263	198	261	171	259	163	242	135	206	150	216	159	276	187	259	132	288	199	261	161
Attleboro	427	83	491	91	609	117	615	120	657	86	709	101	811	86	810	138	832	127	831	207
Belmont	240	50	257	67	300	58	211	72	224	78	323	54	282	62	358	58	400	70	416	77
Boston	22,399	14,518	21,380	14,274	22,517	14,507	22,610	12,951	22,682	13,879	22,435	13,696	22,621	12,819	22,841	13,217	22,521	13,044	26,324	14,964
Brockton	3,395	1,168	3,849	1,111	4,013	1,115	4,400	1,072	3,469	1,228	4,218	1,215	4,464	1,267	4,220	1,269	4,326	1,273	4,339	1,207
Brookline	1,888	573	1,867	553	1,926	574	1,837	586	1,839	601	1,664	521	1,598	580	1,750	598	1,762	537	1,758	523
Cambridge	2,394	927	2,536	773	2,409	667	2,397	729	2,313	460	2,442	608	2,408	600	2,185	628	2,016	687	2,268	673
Chelsea	2,574	933	3,016	1,001	3,133	1,078	3,353	1,246	3,558	1,354	3,866	1,168	4,129	1,105	4,241	994	4,386	1,266	4,412	891
Chicopee	709	296	671	325	667	324	591	362	798	423	794	350	823	362	845	348	891	417	1,117	494
Clinton	236	60	266	54	259	74	271	75	268	80	186	92	360	97	349	98	331	82	360	71
Everett	582	103	765	226	873	253	957	283	1,117	329	1,256	302	1,416	447	1,532	496	1,740	559	1,895	558
Fall River	4,146	732	4,142	611	4,219	736	3,988	670	4,006	575	3,756	498	3,560	435	3,399	493	3,495	614	3,600	664
Fitchburg	1,025	494	1,295	439	1,279	566	1,498	552	1,643	534	1,693	613	1,872	629	2,006	681	1,964	562	1,932	998
Framingham	1,315	561	1,468	630	1,648	701	1,892	847	1,948	934	2,080	1,133	2,231	1,284	2,295	1,089	2,573	1,420	2,659	1,519
Haverhill	975	281	1,026	317	1,038	326	1,028	248	996	209	1,051	260	1,018	225	950	237	884	256	926	266

Table 5: FLNE and LEP Trends 1993-2002 Selected Massachusetts Cities and Towns
Holyoke to Salem

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Holyoke	3,990	2,242	4,383	2,704	4,371	2,374	4,275	2,510	4,318	2,273	3,680	1,982	4,011	1,860	3,865	1,957	3,777	1,800	4,042	1,451
Lawrence	8,182	3,916	8,516	4,206	8,864	4,510	9,055	4,186	9,382	3,656	9,859	3,543	10,061	3,273	10,032	3,151	10,310	2,722	10,224	3,358
Leominster	538	145	547	204	547	189	766	187	696	164	632	144	778	270	944	813	959	394	998	510
Lexington	352	75	306	52	539	94	475	114	587	114	498	92	466	98	574	83	866	166	908	198
Lowell	6,151	2,994	6,680	2,608	7,247	2,811	7,541	2,839	8,121	2,846	8,166	2,511	8,156	2,587	7,741	2,141	2,226*	2,175*	6,947	2,208
Lynn	3,554	1,116	3,696	1,003	4,020	1,101	4,702	1,743	4,840	2,248	5,100	2,049	5,473	2,475	5,796	2,031	5,984	1,377	6,181	1,790
Malden	1,167	329	1,232	318	1,318	310	1,414	291	1,437	336	1,642	458	1,865	503	1,813	513	1,474	550	1,797	613
Marlborough	151	83	209	102	316	201	317	201	395	217	495	281	580	296	731	471	786	519	848	569
Medford	449	202	413	171	497	221	447	197	509	195	498	171	700	229	746	273	724	283	849	686
Methuen	799	326	791	341	741	327	919	366	950	330	803	272	768	280	947	285	1,095	305	1,115	367
Milford	445	131	483	164	329	102	356	120	297	107	347	87	336	116	410	157	461	106	529	162
New Bedford	3,275	900	3,062	923	2,928	858	2,806	912	2,598	805	2,517	645	2,212	659	2,430	627	2,815	651	2,802	530
Newton	1,630	473	1,808	464	1,853	454	1,892	481	1,890	479	1,884	465	1,771	505	1,896	566	1,849	500	1,923	545
Norwood	329	50	370	46	386	35	472	123	435	70	452	122	386	120	455	62	393	193	521	239
Peabody	303	95	382	103	358	89	353	94	366	135	383	130	620	136	651	117	834	133	931	181
Quincy	1,404	538	1,521	492	1,624	360	1,772	330	1,773	325	1,739	379	2,086	478	1,726	292	1,240	1,048	1,483	1,081
Randolph	685	235	654	266	670	276	808	231	620	234	668	364	775	321	681	146	546	258	1,259	277
Salem	1,074	459	1,172	510	1,242	356	1,350	576	1,335	550	1,221	589	1,316	472	1,254	488	<i>941*</i>	424*	1,167	546

Table 5: FLNE and LEP Trends 1993-2002 Selected Massachusetts Cities and Towns
Somerville to Worcester

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Somerville	2,218	697	2,416	778	2,004	861	2,753	715	2,521	829	2,759	957	2,957	1,042	2,756	981	2,779	1,109	2,814	1,039
Southbridge	526	198	540	208	538	166	604	320	720	189	725	350	548	136	616	138	834*	136*	769	123
Springfield	6,204	2,588	6,860	2,940	7,062	2,910	6,490	2,745	6,221	2,849	6,668	2,929	6,838	2,791	6,700	2,800	3,342	2,075	4,223	2,701
Waltham	1,299	278	1,443	259	1,565	268	1,542	212	1,666	250	1,617	234	1,627	271	1,623	264	<i>1,588*</i>	<i>237*</i>	1,555	284
Watertown	290	136	513	133	487	133	575	146	637	144	645	173	584	176	605	200	633	185	619	127
Westfield	416	208	457	189	490	226	547	299	603	301	667	471	668	444	605	331	735	382	722	348
W. Springfield	286	150	306	130	306	105	347	105	405	133	386	203	500	273	444	306	741	305	728	288
Worcester	4,659	1,502	5,581	1,569	5,448	1,598	5,593	1,680	5,627	1,678	5,657	1,768	6,302	1,607	6,731	1,691	8,939*	3,269*	9,126	3,373

* Items marked with an asterisk show a significant difference from the previous year. For the 2001 FLNE report, cities and towns were asked to verify or update their data.

Table 6: Charter Schools FLNE and LEP Trends 1995-2002

The 1993 Education Reform Act allowed for the establishment of public charter schools. Although individually governed and autonomous, they are chartered by the Massachusetts Board of Education. Included are: the Commonwealth Charter Schools that are independent public schools, the “Horace Mann” charter schools that operate under a 5-year charter approved by the local school committee, and the Massachusetts Academy of Mathematics and Science that is a public school for students in grades 11 and 12 (2001-2002 Massachusetts Directory of Education School Directory, June 2002).

	1995		1996		1997		1998		1999		2000		2001		2002	
Total enrollment	1,689		4,368		7,116		8,484		10,430		13,016		14,863		15,912	
	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	528	103	755	51	943	195	969	43	1,104	40	1,180	192	1,196	163	1,326	142
Portuguese	2	0	22	2	19	0	40	2	72	15	76	12	62	13	83	23
Chinese	6	0	30	0	14	0	34	0	60	3	61	1	49	0	59	0
Khmer	12	0	19	55	17	0	25	51	29	0	101	7	116	6	125	5
Haitian Creole	1	1	18	1	39	0	100	3	143	13	146	14	153	0	174	0
Vietnamese	39	0	45	0	53	0	27	0	20	0	36	2	20	2	22	0
Cape Verdean	10	1	17	0	32	0	22	0	29	0	17	0	33	0	54	0
Russian	19	0	28	1	14	0	40	2	22	1	25	0	10	0	8	0
Arabic	0	0	3	0	3	0	7	1	9	0	12	1	15	2	16	2
Korean	1	0	0	0	0	0	2	1	2	0	4	0	0	0	0	0
OTHER	11	1	25	2	123	0	71	0	82	8	88	10	127	2	107	0
TOTAL	629	106	964	57	1,259	195	1,349	51	1,580	80	1,763	239	1,793	184	1,974	172

Table 7: Academic Regional Schools FLNE and LEP Trends 1993-2002

These schools are administered by regional school committees and funded by participating town assessments (2001-2002 Massachusetts Directory of Education School Directory, June 2002).

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
Total enrollment	85,773		85,120		102,239		104,580		106,367		107,582		109,280		110,474		113,194		114,401	
	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	239	39	289	53	241	38	193	34	238	34	235	35	199	36	251	44	316	75	375	90
Portuguese	96	29	126	27	88	25	82	20	95	41	110	35	92	71	204	107	273	145	308	205
Chinese	103	27	103	32	111	28	83	16	110	30	103	18	131	17	149	6	182	11	199	23
Khmer	53	28	50	15	51	19	57	23	49	19	43	15	36	10	34	11	35	11	31	5
Haitian Creole	8	2	20	5	13	2	14	0	20	5	26	1	21	3	19	9	19	8	13	11
Vietnamese	35	13	24	10	22	3	23	11	28	4	22	7	17	2	31	3	37	3	29	5
Cape Verdean	3	0	2	0	3	0	11	0	7	0	5	0	3	0	4	0	8	0	4	0
Russian	99	16	54	27	60	10	66	12	94	13	95	14	111	21	132	23	143	28	141	29
Arabic	6	2	4	1	11	2	12	0	24	4	34	4	38	2	26	0	36	1	31	4
Korean	28	8	19	6	36	6	36	10	55	9	44	5	56	4	45	7	67	22	78	15
OTHER	173	34	243	50	250	33	276	49	273	58	247	44	357	40	342	32	380	31	456	60
TOTAL	866	199	960	176	929	167	883	176	1,034	217	1,008	141	1,108	208	1,293	247	1,560	336	1665	447

Table 8: Vocational-Technical Regional Schools FLNE AND LEP Trends 1993-2002

These schools are administered by regional vocational-technical school committees and funded by member towns and cities (2001-2002 Massachusetts Directory of Education School Directory, June 2002).

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
Total enrollment	22,411		22,787		23,326		23,714		24,176		24,392		24,674		24,425		23,490		22,604	
	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	1,077	202	1,422	271	1,054	471	876	257	1,024	286	1,056	262	1,393	278	1,825	229	1,750	244	1,809	265
Portuguese	791	94	930	99	819	85	695	75	687	64	1,052	112	1,085	73	1,067	107	939	96	791	98
Chinese	19	3	18	1	15	6	24	5	24	4	29	7	14	4	11	6	8	1	8	1
Khmer	84	44	85	39	86	36	55	25	90	12	102	10	106	4	135	1	139	5	17	0
Haitian Creole	30	0	35	6	22	1	60	5	45	3	96	36	76	28	43	9	42	8	27	6
Vietnamese	26	9	38	12	25	9	16	5	18	4	24	6	18	0	22	5	14	1	15	5
Cape Verdean	119	7	51	9	15	0	52	4	58	4	76	68	75	0	58	13	41	9	24	21
Russian	6	0	2	0	4	0	23	0	7	0	11	0	12	0	7	0	7	1	7	1
Arabic	3	2	2	0	1	0	6	0	4	0	5	1	3	1	4	1	3	2	3	0
Korean	2	0	3	0	4	0	0	0	0	0	3	1	4	2	2	1	1	0	1	0
OTHER	76	21	77	20	100	23	75	13	67	21	84	7	103	5	89	79	88	10	95	8
TOTAL	2,275	382	2,708	457	2,190	631	1,907	389	2,071	389	2,585	505	2,810	396	3,295	452	3,066	377	2,797	405

Table 9: County Agricultural Schools FLNE AND LEP Trends 1993-2002

These schools are administered by a board of trustees and funded by various public means (2001-2002 Massachusetts Directory of Education School Directory, June 2002).

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
Total Enrollment	1,545		1,653		1,669		1,694		1,543		1,419		1,464		1,232		1,207		1,230	
LEP/FLNE	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	7	0	11	0	0	0	10	0	13	0	18	0	17	0	14	0	14	0	10	0
Portuguese	11	0	13	0	12	0	7	0	14	0	11	0	8	0	8	0	10	0	5	0
Chinese	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Khmer	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Haitian Creole	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Vietnamese	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cape Verdean	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Russian	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Arabic	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Korean	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	1	0	1	0	1	0	2	0	3	0	10	0	0	0
TOTAL	19	0	28	0	12	0	21	0	30	0	30	0	28	0	26	0	24	0	15	0

Table 10: Commonly Spoken Foreign Languages 1993-2002

Table 10 presents data by FLNE and LEP on the 10 most commonly spoken foreign languages over the last 10 years.

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP	FLNE	LEP
Spanish	54,159	25,437	58,361	27,090	60,498	27,847	61,551	27,157	62,282	27,076	62,861	26,564	65,666	25,481	66,016	25,598	63,166	25,187	68,181	27,348
Portuguese	12,055	2,547	11,563	2,430	11,121	2,555	11,184	2,729	11,369	2,960	11,672	3,191	12,424	3881	12,770	4,251	13,013	5,191	13,863	5,714
Chinese	6,664	2,532	6,757	2,398	7,015	2,271	7,335	2,079	7,279	2,159	7,538	2,289	7,824	2231	7,860	2,088	7,560	2,513	8,222	3,035
Khmer	5,880	2,450	6,249	2,006	6,793	2,088	7,049	2,091	7,618	2,236	7,706	1,944	7,601	1881	7,294	1,395	4,023	1,175	6,134	1,288
Haitian Creole	3,281	1,004	3,795	1,129	3,750	1,056	4,111	885	3,931	995	4,403	1,102	4,665	1096	4,393	1,185	4,091	1,161	5,994	2,517
Vietnamese	5,598	2,683	5,769	2,540	5,748	2,285	5,797	2,018	5,696	2,031	5,712	1,932	6,067	1802	5,864	1,669	5,546	1,835	5,805	2,209
Cape Verdean	3,881	1,985	4,030	2,008	4,122	2,088	4,532	1,988	4,050	2,180	4,759	2,149	4,401	1936	4,351	1,917	7,864	1,755	6,880	1,732
Russian	2,344	1,047	2,258	735	2,401	713	2,763	917	2,836	925	2,995	985	3,144	1071	3,253	1,058	3,576	1,080	3,604	1,064
Arabic	777	215	874	213	905	232	1,013	262	1,141	266	1,201	298	1,394	341	1,486	349	1,499	450	1,615	567
Korean	719	170	723	174	816	236	877	244	992	309	872	243	1,019	343	1,022	356	1,148	433	1,251	472

Tables 11a-11j: 2002 Top FLNE Producing Cities and Towns by Language

The following tables show data for the top five cities/towns for each of the ten most commonly spoken languages based on the number of students enrolled in the public schools. In seven out of ten cases, those five cities/towns account for greater than 50 percent of the student speakers of that language statewide. In other instances, students of a particular language group represent a significant proportion of the school system's FLNE population.

Table 11a: Arabic

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Boston	135	.5%	23.8%
2	Norwood	111	21.3%	19.6%
3	Worcester	102	1.1%	18.0%
4	Quincy	64	4.3%	11.3%
5	Dedham	59	24.3%	10.4%
	Total	471		83.1%

Table 11b: Cape Verdean

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Brockton	1,901	43.8%	44.8%
2	Boston	1,661	6.3%	39.1%
4	New Bedford	254	9.1%	6.0%
3	Randolph	63	5.0%	1.5%
5	Taunton	34	4.8%	0.8%
	Total	3,913		92.2%

Table 11c: Chinese

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Boston	2,226	8.5%	27.1%
2	Quincy	862	58.1%	10.5%
3	Newton	578	30.1%	7.0%
4	Malden	514	28.7%	6.3%
5	Brookline	306	17.4%	3.7%
	Total	4,486		54.6%

Table 11d: Khmer

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Lowell	3,091	44.5%	50.4%
2	Lynn	1,284	20.8%	20.9%
3	Fall River	453	12.6%	7.4%
4	Lawrence	223	2.2%	3.6%
5	Attleboro	205	24.7%	3.3%
	Total	5,256		85.7%

Table 11e: Haitian Creole

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Boston	2,331	8.9%	38.9%
2	Brockton	693	16.0%	11.6%
3	Cambridge	540	23.8%	9.0%
4	Somerville	471	16.7%	7.9%
5	Randolph	401	31.9%	6.7%
	Total	4,436		74.0%

Table 11f: Korean

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Brookline	165	9.4%	13.2%
2	Lexington	142	15.6%	11.4%
3	Cambridge	5	3.8%	6.9%
4	Newton	77	4.0%	6.2%
5	Belmont	55	13.2%	4.4%
	Total	525		42.0%

Table 11g: Portuguese

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Fall River	2,227	61.9%	16.1%
2	Framingham	990	37.2%	7.1%
3	New Bedford	863	30.8%	6.2%
4	Somerville	859	30.5%	6.2%
5	Lowell	621	8.9%	4.5%
	Total	5,560		40.1%

Table 11h: Russian

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	West Springfield	409	56.2%	11.3%
2	Newton	400	20.8%	11.1%
3	Brookline	380	21.6%	10.5%
4	Westfield	322	44.6%	8.9%
5	Chicopee	175	15.7%	4.9%
	Total	1,686		46.8%

Table 11i: Spanish

Rank	City/Town	# Students	System FLNE Students (%)	Statewide Language (%)
1	Boston	12,446	47.3%	18.3%
2	Lawrence	9,704	94.9%	14.2%
3	Worcester	5,750	63.0%	8.4%
4	Holyoke	4,005	99.1%	5.9%
5	Springfield	3,827	90.6%	5.6%
	Total	35,732		52.4%

Table 11j: Vietnamese

<i>Rank</i>	<i>City/Town</i>	<i># Students</i>	<i>System FLNE Students (%)</i>	<i>Statewide Language (%)</i>
1	Boston	1,772	6.7%	30.5%
2	Worcester	1,344	14.7%	23.2%
3	Malden	253	14.1%	4.4%
4	Everett	208	11.0%	3.6%
5	Quincy	196	13.2%	3.4%
	Total	3,773		65.0%

Summary

Department of Education data show that the number of students in public schools whose first language is other than English has increased steadily over the last decade. Although Spanish remains the most commonly spoken language within the public schools, an increasing percentage of students are speaking an expanding number of languages and dialects. Increasing language diversity among students at home gives us some insight into the language capacity of their parents and other adults in the community. Linguistic access issues are complex and cannot be addressed in a “one-size fits all fashion” without consideration of cultural or other factors which affect residents’ ability to communicate effectively and access resources.

For some of the top ten languages, there is a significant amount of geographic clustering, and more than 50 percent of students who speak those languages at home may be found in one of five cities and towns. In other instances, there are no discernable living patterns among language groups. Linguistic isolation varies as well. The overall percentage of LEP students is 37.3 statewide, but for some cities and towns, that number can be as high as 66.3% (Marlborough). Both circumstances offer opportunities for developing unique programs and targeting resources in order to meet the diverse needs of the Commonwealth’s students.